

CLAIMS

1. A nutrient delivery device, characterised by comprising a nutrient receiving chamber for receiving a nutrient source, the nutrient receiving chamber having an inlet for receiving water from a water supply, an outlet and a filter, wherein water flowing into the nutrient receiving chamber at least partially dissolves the nutrient source and flows out of the outlet, with the filter being arranged such that undissolved nutrient is prevented from flowing out of the outlet.
2. A nutrient delivery device according to claim 1, characterised in that the water inlet has a valve assembly attached thereto, the valve assembly being in fluid communication with the inlet and the nutrient receiving chamber.
3. A nutrient delivery device according to claim 2, characterised in that the valve assembly is a valve adapted to prevent backflow of water from the nutrient receiving chamber to the water supply.
4. A nutrient delivery device according to claim 2 or 3, characterised in that the valve assembly is a vacuum breaker valve.
5. A nutrient delivery device according to any one of claims 2 to 4, characterised in that the nutrient receiving chamber is a barrel portion, comprising an elongate conduit having a first open end adjacent the valve assembly and an opposing second open end.
6. A nutrient delivery device according to any one of claims 1 to 5, characterised in that the filter comprises an elongate tube member having perforations arranged upon a surface thereof.
7. A nutrient delivery device according to any one of claims 2 to 6, characterised in that the filter has a first open end adjacent the second open end of the nutrient

receiving chamber and a closed second end, the closed second end having a cap portion with a solid surface.

8. A nutrient delivery device according to claim 7, characterised in that the cap portion is disposed within a path of water flowing from the valve assembly into the 5 nutrient receiving chamber.

9. A nutrient delivery device according to claim 7 or 8, characterised in that the cap portion is conical in configuration, whereby an apex of the cone points towards the first end of the barrel portion.

10. A nutrient delivery device according to any one of claims 6 to 9, characterised 10 in that the surface area of the filter upon which the perforations are disposed is at least twenty times a surface area of a cross section of the second open end of the nutrient receiving chamber.

11. A nutrient delivery device according to any one of the preceding claims, characterised in that the nutrient receiving chamber is connected to the valve 15 assembly by a socket.

12. A nutrient delivery device according to claim 11, characterised in that the socket has a diameter smaller relative to a diameter of the nutrient receiving chamber, such that turbulence is created in the water flowing from the water supply to the nutrient receiving chamber.

20 13. A nutrient delivery device in accordance with any one of the preceding claims, characterised by a sealing means adjacent the first and second open ends of the nutrient receiving chamber to enclose the nutrient source therein, the sealing means being permeable to water and dissolved nutrient.

14. A nutrient delivery device in accordance with claim 13, characterised in that the sealing means is a mesh disposed adjacent the first and second open ends of the nutrient receiving chamber.

15. A nutrient delivery device in accordance with any one of the preceding claims,
5 characterised in that the nutrient source is in the form of a plurality of prills.